SCALABLE PROPAGATION-BASED METHOD FOR
CALL GRAPH CONSTRUCTION

5 ABSTRACT OF THE INVENTION

A program storage device, readably by a machine, tangibly embodying instructions to perform method steps for constructing a call graph whereby for each method M, a set of types S_M of objects that may occur in method M is determined for each field F, a set of types S_F of objects is determined that may be stored in field F, the
10 method comprising: determining the allocation sites inside the body of method M; determining the set of directly called methods M' inside the body of method M; and determining the set of virtually called methods M" inside the body of method M.

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